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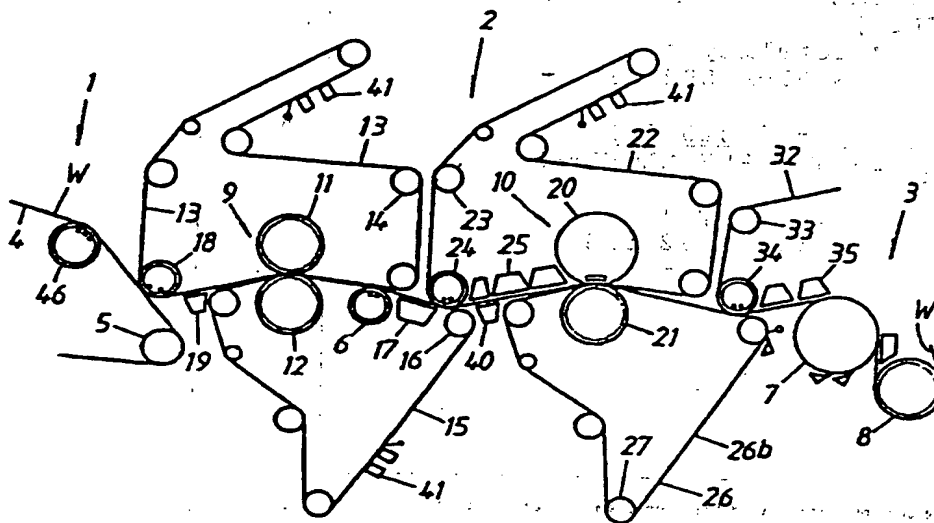
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(54) Title: METHOD AND MACHINE FOR MANUFACTURING PRINTING PAPER OR PAPERBOARD



## (57) Abstract

For manufacturing printing paper or paperboard with a grammage of 30–200 g/m<sup>2</sup> in a paper or paperboard machine, comprising a wet section, a press section and a drying section, and in which a formed web (W) is pressed in a roll press with a double-felted roll-press nip and, thereafter, in a shoe press with an extended single or double-felted shoe-press nip, it is suggested, in accordance with the invention that the web is pressed in a deflection-compensating roll press, having said double-felted roll-press nip and open press rolls; that the machine is operated at a web speed of at least 1,200 m/min.; that the web in the roll-press nip is subjected to a linear load ranging from 100 to 300 kN-m and a specific pressure ranging from 5 to 15 MPa; and that the web in the shoe-press nip is subjected to a linear load ranging from 500 to 1,500 kN/m and a specific high pressure ranging from 4 to 13 MPa, to obtain a dewatered web with a dry-solids content of at least 35 per cent after the roll-press nip and at least 45 per cent after the shoe-press nip.